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REMOTE TEMPERATURE MEASURING APPARATUS

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ABSTRACT

PURPOSE: To make the measuring apparatus itself smaller in size and lower in cost and make possible easy remote temperature measurement by converting the voltage proportional to the temperature being measured with a transmitter to the frequency proportional to the voltage then outputting the frequency and converting the same to the d.c. voltage proportional to the frequency being received with a receiver.

[English translation of Japanese Patent Application Laid-Open
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What is claimed is:

1. A remote temperature measuring device which comprises:
a transmitter constituted by a control voltage generating circuit for generating a DC voltage in proportion to the temperature of an object to be measured, and a voltage-control type oscillator for generating an oscillating frequency in proportion to the control voltage generated from the control voltage generating circuit; and
a receiver for generating a DC voltage in proportion to the input frequency delivered from the transmitter.